**Precalculus**

**Chapter 4 Assignment Sheet**

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| **Date** | **Objectives** | **Textbook Correlation** | **Homework Assignment** |
|  | * Describe angles. * Use radian and degree measure. * Use angles to model and solve real-life problems. | 4.1 | p. 269: 8-18 evens , 22, 26, 28, 56, 58, 59, 63, 71-74, 84 |
|  | * Identify a unit circle and its relationship to real numbers. * Evaluate trig functions using the unit circle. * Use the domain and period to evaluate sine and cosine functions. | 4.2 | p. 278: 1, 2, 5-23 |
|  | **QUIZ 4.1-4.2** |  |  |
|  | * Evaluate trig functions of acute angles. * Use the fundamental trig identities. * Use trig functions to model and solve real-life problems. | 4.3 | p. 287: 2-10 evens, 18, 21, 37-42, 47-53 odds, 57, 65, 83, 85 |
|  | * Evaluate trig functions of any angle. * Use reference angles to evaluate trig functions. * Evaluate trig functions of real numbers. | 4.4 | p. 297: 2, 6, 11-14 all, 15-17, 29-38 all, 45-57 odds, 69, 73 |
|  | **Review Sections 4.1-4.4** |  | STUDY FOR TEST! |
|  | **Test Sections 4.1-4.4** |  | No Homework ☺ |
|  | * Use amplitude and period to sketch the graphs of sine and cosine functions. * Sketch translations of graphs of sine and cosine functions. * Use sine and cosine functions to model real-life data. | 4.5 | p. 307: 1-17 odds, 35, 37 |
|  | * Sketch the graphs of tangent, cotangent, secant, and cosecant functions. | 4.6 | p. 318: 1-7, 11, 39, 43, 45 |
|  | **QUIZ 4.5-4.6** |  | REVIEW WORKSHEET: 4.1-4.6  SPRING BREAK!! |
|  | * Evaluate the inverse sine and other inverse trig functions. * Evaluate the composition of trig functions. | 4.7 | p. 328: 1-15 odds, 37-59 odds, 71 |
|  | * Solve real-life problems involving right triangles and directional bearings. | 4.8 | p. 338: 3, 7, 11, 15, 21, 25 |
|  | **Review Chapter 4** |  | STUDY FOR TEST! |
|  | **Test Chapter 4** |  | No Homework ☺ |